181 DEPARTMENT OF THE **AIR FORCE** 236

JUSTIFICATION OF ESTIMATES FOR FISCAL YEARS 1992/1993 **SUBMITTED TO CONGRESS FEBRUARY 1991** BIENNIAL BUDGET ESTIMATES



Missile Procurement, Air Force

91-00935

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DEPARTMENT OF THE AIR FORCE TABLE OF CONTENTS

MISSILE PROCLABAENT, AIR FORCE

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_	Ξ.	4	آنية.	Ballistic Missi	Other Missiles.	Modification of	Spares and Repair Parts.	Other Support	_	_
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Appropriation Language	Program and Financing	Object Classification	Budget Activity Jus						Comparison of FY 1991 Program Requirements and Financing	Comparison of FY 1990 Program Requirements and Financing
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_	-	•	•••						_	_

MISSILE PROQUEDENT, AIR FORCE

Government and contractor-owned equipment layaway; and other expenses necessary for the foregoing purposes including spare parts and accessories therefor, ground handling equipment, and training devices; expansion of public and private plants, Government-conned equipment and installation thereof in such plants, erection of structures, and acquisition of land, for the foregoing purposes, and such lands and interests therein, For construction, procurement, and modification of missiles, spacecraft, rockets, and related equipment, including rents and transportation of things: [\$5,813,532,000] \$5,841,800,000 to remain available for may be acquired and construction prosecuted thereon prior to approval of title; reserve plant and obligation until September 30, [1993] 1994.

Further, for the foregoing purposes, \$6,776,800,000 to become available for obligation on October 1, 1992 and to remain available until September 30, 1995. Missile Producement, Air Force
Program and Financing (in Thousands of dollars) SUMMARY

		Budg	Plan (amounts for actions programed)	Plan (amounts for PROCUREMENT actions programed)	ENT
Identif	Identification code 57-3020-0-1-051	1990 actual	1991 est.	1992 est.	1993 est.
-	Program by activities:				
00.0101		798,345	546,863	240,823	44,913
80.0501		01.552. 86.4.88	100.00	196.526	128 657
200		174,426	66,620	104,279	98,218
00.0201	Other support	4	3,843,387	3,705,091	4,219,338
9101	Total direct program	6,292,758	6,765,075	5,841,800	6,776,800
01.0101	Reink ursable program	225,781	318.728	425,300	428,300
10.0001	Total	6.518.539	6,083,800	6,267,100	7,205,100
	Financing.				
•	Offsetting collections from:				
11.0001	Federal funds(-)	-223,302	-316,125	-422.600	-425,500
13.0001	Trust funds(-)	-2,354	-2,600	-2,700	-2,800
14.0001	Non-Federal sources(-)	- 125			
17.0001	8				
21.4002	For completion of brior year Dudget Distan				
21.4003	Available to finance new budget plans	-104,077	-216,581		
21.4009	Reprograming from/to prior year budget plans	-170,287	24,200		
22.4001	Unobligated balance transferred to other accounts	90,027	-24,200		
000	Unobligated balance available, end of year:				
24.4002	Acetieble to finence subsequent vest bidget plans	216.581			
25.0001		46,269			
39.0001		1 (4	5,548,494	5,841,800	6,776,800
	Budget authority:	9 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	; ; ; ; ; ;	, , , , , , , , , , , , , , , , , , ,	1 6 1 1 1 1 1
40.0001	Apropriation	6,916,863	5,813,532	5.841,800	6,776,800
40.3501	App-opriation rescinded (-)	-70, 142			
40.3601	<u>-</u>	-59,900	-216,581		
40.7501	Reduction pursuant to P.L. 101-165 (-)	- 153, 108			
40.7502			-2,364		
96	Transferred to other accounts (-)	-262,442	-65,733		
3		1 1 1 1 1 1		1 1 1 2 1 6 1 0	1 1 1 1 1 1 1 1 1 1 1 1
43.0001	Appropriation (adjusted)	7:	5,548,494	5,841,800	6.776.800
71.0001					
77.0001 78.0001	Adjustments in expired secounts (net)				

Missile Procurement, Air Force
Progress and Financing (in Thousends of dollars) SUMMARY

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Property Cast Cas)		
Desiritation and another trees	Identif	ication code 57-3020-0-1-051		4		1993 est.
Second S		Program by activities:	1	•	•	• • • • • • • • • • • • • • • • • • •
Total direct program	3	Direct program:	080 000	718 033	340 041	148 000
Squares and present parties 169, 514 197, 422 169, 414 197, 422 169, 414 197, 422 199, 414 1	38		1 464 914	1 A B B C C	1 5 4 5 4 5 4 5 5 5 5 5 5 5 5 5 5 5 5 5	40,465
State Stat	00.00	_	76.311	137.424	162.427	129, 754
Total direct program	90.0401		168,540	70,032	108,616	94,446
Total direct program	00.0501	Other support		ю. В	6	4,053,302
Total	00.9101	Total direct program	6,772,924		. 10	6.544,201
Financing Collections from: Collections	•		233,472	324 962	428,300	428 300
Transferring Collections from: Collectio				;	1	
Presenting Comparating C	10.0001	Total	7,006,396	6,482,035	6.278.831	6,972,501
Preserval Funde(-) 17.25 1.25	-	financing:				
Federal Funds(-)		Offsetting collections from:				
Note detail acurcae(-)	1.001	Federal funds(-)	-220,570	-316, 125	-422,600	-425,500
Montage Mon	13.0001	Tought T	-2,717	-2,600	-2,700	-2,800
For completion of prior year budget plans Available to finance available, start of year: For completion of prior year budget plans Available to finance available, start of year: Reprograming from/for prior year budget plans Available to finance available, end of year: For completion of prior year budget plans Available to finance available, end of year: Budget authority: Appropriation reachinded (-) Reduction pursuant to P.L. 101-165 (-)	88	Non-recepted sources (-)	C71-			
Available to finance new budget plans	3					
Available to finance new budget plans 1,808 at 1,077 -216,581 1,808 at 1,809	1.		-2 424 402	-1 808 441	404 404	422 87
Reprograming from/to prior year budget plans 1,800,441 1,434,406 1,422,675	21.4003		- 104.077	-216.581		
Unobligated balance transferred to other accounts Unobligated balance transferred to other accounts For consider belong a too f year Available to finance subsequent year budget plans Available to finance subsequent year budget plans Unobligated balance lapsing Budget authority: Budget authority: Budget authority: Budget authority: Appropriation rescinded (-) Appropriation rescinded (unob bal) Reduction pursuant to P.L. 101-165 (-) Reduction pursuant to P.L. 101-165 (-)	21.4009	budget				
Unobligated balance available, and of year: For completion of prior year budget plans Available to finance available, and of year: For completion of prior year budget plans Unobligated balance lapsing Budget authority: Appropriation Appropriation rescinded (-) Appropriation rescinded (unob ba) Reduction pursuant to P.L. 101-165 (-) Reduction pursuant to	22.4001	o other	90,027	-24,200		
Total label and particle year budget plans		Unobligated balance available, and of year:	•			
Available to finance subsequent year budget plans 216,269 46,269	24.4002		1,808,441	1.434.406	4, 422, 675	1.655,274
Budger authority: Budget authority: Appropriation Appropriation Appropriation rescinded (-) Reduction pursuant to P.L. 101-165 (-) Reduction pursuant to P.L. 101-165 (-) Reduction pursuant to P.L. 101-165 (-) Transferred from other accounts (-) Transferred from other accounts Appropriation (adjusted) Appropriation (adjusted) Relation of obligations to outlays: Obligated balance, start of year Obligated balance, and of year Adjustments in unappred accounts	25, 4003	equent year budget	46.269			
Budget authority Budget authority: Appropriation Appropriation rescinded (-) Reduction pursuant to P.L. 101-511 (-) Transferred from other accounts Transferred from other accounts Appropriation of obligations to outlays: Appropriation of obligations to outlays: Appropriation of obligations to outlays: Belation of obl				1		1
Budget authority: Appropriation Appropriation -70,142 Appropriation -59,900 -216,581 Appropriation rescinded (unb bal) -59,900 -216,581 Reduction pursuant to P.L. 101-511 (-) -153,108 -2,364 Reduction pursuant to P.L. 101-511 (-) -153,108 -2,364 Transferred to other accounts -65,733 19,640 Transferred from other accounts 6,371,271 5,548,494 5,841,800 Relation of obligations to outlays: 6,371,271 5,548,494 5,841,800 Relation of obligations to outlays: 0bligated balance, start of year 6,782,984 6,163,310 5,853,531 Obligated balance, start of year -10,079,377 8,962,481 -8,628,990 -47,551 Adjustments in unexpired accounts 3239 -47,551 -47,551	39.0001	,	6,371,271	5,548,494	5,841,800	6,776,800
Appropriation Appropriation Appropriation Appropriation rescinded (-) Appropriation rescinded (unob ba) Appropriation rescinded (unob ba) Appropriation rescinded (unob ba) Reduction pursuant to P.L. 101-165 (-) Reduction pursuant to P.L. 101-511 (-) Transferred to other accounts (-) Transferred from other accounts Appropriation (adjusted) Appr						
Appropriation rescinded (-) Appropriation rescinded (unob ba) Reduction pursuant to P.L. 101-165 (-) Reduction pursuant to P.L. 101-511 (-) Transferred to other accounts (-) Transferred from other accounts Appropriation (adjusted) Relation of obligations to outlays: Obligations incurred, net Obligated balance, start of year Obligated balance, and of year Obligated balance accounts (net) Adjustments in unexpired accounts (net) Adjustments in unexpired accounts	40.0001	Appropriation	•	5,813,532	5,841,800	6,776,800
Appropriation rescinded (unob bal) Reduction pursuant to P.L. 101-165 (-) Reduction pursuant to P.L. 101-511 (-) Transferred from other accounts (-) Transferred from other accounts Appropriation (adjusted) Relation of obligations to outlays: Obligations incurred, net Obligated balance, start of year Obligated balance, and of year Obligated balance, and of year Adjustments in unexpired accounts (net) Adjustments in unexpired accounts	40.3501	Appropriation rescinded (-)	-70, 142			
Reduction pursuant to P.L. 101-165 (-) Reduction pursuant to P.L. 101-511 (-) 19,640 19,	40.3601	=	-59,900	-216,581		
Transferred from other accounts (-) Transferred from other accounts (-) Transferred from other accounts 19,640	40.7501	165	- 153, 108			
Transferred from other accounts 19,640 19,	40.7902	- -	C77 C8C	14,304		
Appropriation (adjusted) Relation of obligations to outlays: Obligated balance, start of year Obligated balance, and of year Adjustments in unexpired accounts (net) Adjustments in unexpired accounts	42.88		711 707	19.640		
Appropriation (adjusted) Relation of obligations to outlays: (b) igated balance, start of year (b) igated balance, and of year (b) igated balance, and of year (c) igated balance, and of year (d) igated balance, and of year (e) igated balance, and of year (f) 292,592 (0,079,377 8,962,481 -8,628,990 - Adjustments in unexpired accounts (f) 2,329 - 8,962,481 - 8,628,990 - Adjustments in unexpired accounts			1 1 1 1 1 1			
Relation of obligations to outlays: Obligations incurred, net	43.0001	Approprietion (adjusted)	•	• 1	5.841.800	6,776,600
DD1/gations incurred, net DD1/gated balance, start of year DD1/gated balance, and of year DD1/gated balance, and of year Adjustments in unexpired accounts Adjustments in unexpired accounts		Relation of obligations to outlays:				
Doligated belance, and of year 10,079,377 -8,862,481 -8,628,990 - Adjustments in unexpired accounts	33.000	UDI igations incurred, net	6.782,984	6, 163, 310	5,653,531	6.544.201
Adjustments in expired accounts (net) 3 2,329 Adjustments in unexpired accounts	74.400			-8 962 481	, .	-9.290.158
Adjusteents in unexpired socounts	77.0001	(net)	2,329			•
	78.0001		-47,551			

Missile Procurement, Air Force Program and Financing (in Thousands of dollars) SUMMARY

•6• <u>•</u>

Identification code	-	57-3020-0-1-051	1990 actual	1991 est.	1991 est. 1992 est. 1993 est.	1993 est.
	*,					
90.0001	Out lays		7,950,976	7,280,206	7,280,206 6,187,022 5,883,033	5,883,033

Missile Procurement, Air Force Object Classification (in Thousands of dollars) SUMMARY

Identif	Identification code		1990 actual	1991 est.	1991 est. 1992 est.	1993 est.
131.001	Direct obligations: 131.001 Equipment	Direct obligations: 131.001 Equipment 5,853,531 6,544,201	6,772,924	6,157,073	5.833.531	6,544,201
199.001	199.001 Total Direct obligations		6.772,924	6, 157,073	5,853,531	6,544,201
231.001	Reimbursable obligations: 231.001 Equipment	bligations:	233,472	324,962	425,300	428,300
299.001	Total Reimbu	299.001 Total Reimbursable obligations	233,472	324,962	425,300	428,300
999.901	999.901 Total obligations		7,006,396	6,482,035	6.278.831	6.972,501

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ACTIVITY: 1. Ballistic Missiles

(In Thousands of Dollars)

\$ 44,913	240,823	546,863	920.099
FY 1993 Estimate	FY 1992 Estimate	FY 1991 Estimate	FY 1990 Actual
7	7	7	7

SECTION I - PURPOSE AND SOOPE

This activity provides for complete operational intercontinental ballistic missiles, including the airframe launch control facilities and the integration of new equipment into the launch control center. It includes status of the system, specialized ground handling equipment, and system trainers. The ground equipment is ballistic missiles including ground guidance and control systems, equipment to maintain the operational used to transport, assemble and disassemble, maintain, checkout, launch, and guide ballistic missiles. operator crews. This activity also provides for the modernization of the ballistic missile launch and equipment requirements provide for peculiar support equipment for out-of-production systems, equipment hardware, training equipment, data and site activation effort required to modernize ballistic missile structure and installed power units, communications guidance and control equipment, re-entry vehicle Specialized training equipment includes system trainers for proficiency training of maintenance and It also provides for peculiar support equipment in direct support of operational (excluding nuclear payloads), instruments and auxiliary equipment installed in the missiles, and facilities. Also included is replacement equipment for ballistic missile weapon systems. common to several systems, and equipment required by specialized repair activities. penetration aids.

SECTION 11 - JUSTIFICATION OF FUNDS REQUESTED

PEACEKEPER

(In Thousands of Dollars)

FY 1992 FY 1993

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0 195,178 0 0

The Peacekeeper is a four-stage ICBM having multiple independently targetable warheads with much greater accuracy than previous ballistic missiles. The first 50 Peacekeeper missiles are deployed in Minuteman silos. Peacekeeper subsystems provide the following improvements over existing Minutenan missiles: an advanced guidance set for improved accuracy; an advanced solid propellant; lightweight motor cases; and advanced rocket motor nozzles. FY 1992 funds are requested to complete procurement of missile support equipment, provide for contract closecut and completion of residual tasks.

REPLACEMENT EQUIPMENT - STRATEGIC (BALLISTIC)

(In Thousands of Dollars)

FY 1992

GIY AMOUNI GIY AMOUNI

- 45,645 - 44,913

Replacement equipment includes items to replace peculiar and common support equipment worn out or damaged inventory. It provides for the replacement of organizational and base level missile support equipment. beyond economical repair and common items required for new ballistic missile systems entering the

ACTIVITY: 2. Other Missiles

(In Thousands of Dollars)

		1, 165, 592 (1, 198, 892)*	
\$2,248,474	1,595,081	1, 165, 592	1,366,876
FY 1993 Estimate	FY 1992 Estimate	FY 1991 Estimate	FY 1990 Actual
1 983	1992	1991	1990
₹	7	7	7

SECTION I - PURPOSE AND SCOPE

equipment, electronics and armament), peculiar support equipment (PSE), system peculiar training equipment This activity provides funds for procurement of strategic air-to-ground cruise missiles, tactical groundto-ground cruise missiles, tectical air-to-air air-to-ground and ground-to-air missiles, target drones, and missile replacement equipment. Weapon system cost includes flyaway costs (airframe, propulsion and publications, and technical data.

Maverick line item. This proposal has been withdrawn and FY 1991 BA-2 total has been annoted above t * The Program and Financing (P&F) Schedule reflects a proposed recission of \$33.3 Million from the reflect this change.

SECTION 11- JUSTIFICATION OF FUNDS REQUESTED

Missile II (SRAM II), Advanced Medium Range Air-to-Air Missile (AMRAAM), HAVE NAP and Missile Replacement The FY 1992/1993 budget request includes funds for the procurement of the Advanced Cruise Missile. Have Flag, AGM-130 Powered GBU-15. Imaying Infrared (IIR) Maverick, HARM, target drones, Short Range Attack Equipment.

Strategic Missiles

ADVANCED CRUISE MISSILE

	FY 1993	Amount	450, 123
Dollars)	F	Otx	102
In Thousands of Dollars)	FY 1992	Arrount	501,788
Ξ		Qty	120

The Advanced Cruise Missile ("CM) is a low-observable air-launched cruise missile. ACM incorporates substantial improvements in survivability, range, accuracy, and targeting flexibility over current It is being tested for use on both the B-52H and the B-1B aircraft. inventory assets.

Have Flag - Information concerning this program is included in classified budget documentation material.

HAVE NAP

(In Thousands of Dollars)

FY 1993	ANCUNT	0
7	Ŭ.	0
2	ANCINT	34,662
8		
FY 1992	QTY	32

HAVE NAP is an air-to-ground, medium range, precision guided missile currently operational in the Israeli standoff conventional weapon against designated high value point and defense suppression targets. Air Force. The weapon system is planned to be employed on Strategic Air Command (SAC) B-52's as

(in Thousands of Dollars)

GTY ANOLNT GTY ANOLNT
- 10,969 25 87,370

The SRAM !! is an improved nuclear air-to-surface missile developed to replace the SRAM A. The system will be capable of penetrating advanced defensive threats to strike hard and relocatable targets from nonrecurring costs at the prime contractor's plant. The 1993 request begins low rate production of Primary carrier aircraft will be the B-1B and B-2s. The 1992 request supports twenty-five missiles. standoff ranges.

Tactical Missiles

AGM -130 POVERED GBU-15

(In Thousands of Dollars)

 FY_1992
 FY_1993

 QTY
 ANOLNT
 QTY
 ANOLNT

 120
 70,017
 149
 100,735

The AGM-130 program is a flexible stand-off weapon. The FY 1992 and FY 1993 requests provide funding to continue low rate production as well as funding for special tooling and test equipment required for full rate production. (in Thousands of Dollars)

FY 1993	AMOUNT	ı
7	∑U O	ı
FY 1992	ANCINI	5,490
<u></u>	ZUS	ı

The AGM-65D and G missiles are rocket-propelled, air-to-surface, precision-guided tactical missiles with warhead, which is detonated by a contact fuze mechanism. The AGM-65G is essentially the same as the "D" the naturally occurring thermal energy of the target. The AGM-65D has a (125 lb) conical shaped charge incorporate imaging infrared (IIR) guidance compatible with all TV MAVERICK capable aircraft and target a "stand-off" launch and leave capability. The missiles are guided by tracking signals developed from version only it employs a larger (300 lb) high explosive warhead. Both the AGM-65D and G missiles acquisition systems that are being planned for tactical aircraft.

The FY 1992 request covers contract closecut as well as residual tasks.

(In Thousands of Dollars)

FY 1993	AMOUNT	225,741	•
E	λlo	<u>8</u>	
FY 1992	AMOUNT	113, 151	
<u>F</u>	Ø∏.	465	•

is an radar guided, missile and anti-aircraft artillery systems threaten the ability of tactical aviation to characteristics include software flexibility, inflight retargeting, high speed, large launch envelope, wide band coverage in a single head, high sensitivity and compatibility with both Air Force and Navy accomplish its mission and survive. HARM provides a lethal counter to this threat. In 1992 the Air tactical aircraft. The increased sophistication, concentration and lethality of enemy ground based, Developed jointly by the Air Force and Navy, the Advanced High-Speed Anti-Radiation Missile (HARM) air-to-surface missile that is guided to enemy radar sites by homing in on emitting signals. Force will procure 465 missiles, with 901 missiles to be procured in 1993

Advanced Medium Range Air-to-Air Missile (AMRAAM)

(in Thousands of Dollars) ğ ARONT FY 1992 00,1 E

867,031

1,310

768,432

increased missile velocity, a "launch and maneuver" employment capability, and the capability for multiple F-14, F-15, F-16 and F-18. It will have a performance envelope significantly improved over the AIM-7F/M, improvements in operational utility and combat effectiveness over the AIM-7F/M Sparrow missile. It is a radar guided, all-weather, all-environment, beyond-visual-range, air-to-air missile compatible with the target attack during a single intercept. The 1992 request procures 1,000 AMRAAMs, with 1,310 to be Developed jointly by the Air Force and Navy, the AMRAAM is an air-to-air missile with significant procured in 1993.

Target Drones

(In Thousands of Dollars)

-X 1993	AMOUNT	64,365
کے	ZIIO	124
۲ 1992	AMOUNT	28,833
4	AIIX	8

countermeasures devices are required. Funding in 1992 procures 60 subscale BOM-34A drones. Funding in of air-to-air missiles. Both full-scale and subscale targets with associated augmentation, scoring and Target drones are remotely piloted vehicles used to simulate threat aircraft during test and evaluation 1993 procures 44 CF-106 full-scale drones and 80 subscale BCM-34A drones.

Replacement Equipment

(In Thousands of Dollars)

 FY 1992
 FY 1993

 QTY
 ANCLINI
 QTY
 ANCLINI

 29,145
 29,570

Requirements for replacement equipment provide for peculiar support equipment for weapon systems that are report activities. In FY 1992 and FY 1993 the funding is required to procure replacement equipment for no longer in production, equipment common to several systems, and equipment required by specialized the AGM-84 HARPCON, AIM-7 SPARROW, AIM-9 SIDBMINDER, AGM 65-A MAVERICK, AGM-69 SRAM, and ALCM, and

ACTIVITY: 3. Modification of In-service Missiles

(In Thousands of Dollars)

\$128,657	196,526	109,313	86,428
FY 1993 Estimate	FY 1992 Estimate	FY 1991 Estimate	FY 1990 Actual

SECTION I - PURPOSE AND SOOPE

improve reliability, enhance performance, and increase maintainability by incorporating approved equipment, missile training equipment, and components for this equipment. These costs include modification kits, revised handbooks, and engineering effort. These programs are designed to This activity provides for modification of missile systems and drones, direct ground support modifications resulting from technical advances, service use, and continuing test programs.

SECTION !! - JUSTIFICATION OF FLADS REQUESTED

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for safety improvements, extension of service life or correction of material deficiencies, and Class extensions necessitate the modification of in-service missile systems to enable strategic, tactical, systems. Several Class III update modifications are also programmed to bring fielded missiles into The FY 1992 and FY 1993 missile modification program consists of Class IV modifications necessary line with production line configuration. Advances in technology and weapon system service life Vimodifications that incorporate changes to enhance the operational capability of the fielded and support forces to maintain superiority over hostile forces. Funding for installation is included with each modification.

HAVE NAP

(In Thousands of Dollars)

FY 1992 FY 1993

\$1,706

The FY 1992/93 request provides for modification of the HAVE NAP missiles not used in Initial Operational Test and Evaluation to comply with United States operational and safety standards.

LGM-30, Minuterran III Modification

(In Thousands of Dollars)

FY 1992 FY

\$144,715

The FY 1992/93 requests continue the Rapid Execution and Combat Targeting (REACT) mod to Minuteman III to replace equipment in all operational launch control centers.

AGM 65D Maverick

(In Thousands of Dollars)

FY 1992 FY 1993

\$4,402 \$1,628

The FY 1992 request completes a Class V modification for 825 AGM-65D missiles and depot support equipment updates operational capability for current pilot training. The FY 1993 request provides for a Class III for compatibility with the new digital autopilot and pneumatic actuation system. This modification modification for correction of deficiencies found during development and initial use.

(In Thousands of Dollars)

FY 1992

\$12,040 \$11,191

information concerning this program is included in classified budget documentation.

AIM-9 SIDEMINDER

(In Thousands of Dollars)

1992 FY 1993

\$872 \$31,364

The FY1992/93 request provides for modification of existing AIM-9M all-up-round missiles with an upgraded guidance and control system. The upgrade provides a superior air-to-air missile by increasing the counter-countermeasures capability and head-on acquisition range.

ACM-88A, HARM Modification

(In Thousands of Dollars)

FY 1992 FY 1993

\$2,147 \$2,229

line at the earliest time, however those missiles that could not be corrected while in production must be operational testing and initial use. These corrections are normally incorporated into the production The FY 1992/1993 request continues modification program to correct deficiencies revealed during corrected through the modification process.

AGM-86A, Air Launched Cruise Missile Modification

(In Thousands of Dollars)

FY 1992 FY 1993

\$27,950

\$25,222

The FY1992 and FY1993 requests provide for a modification to convert the ALOM munitions lift trailer used modification will make configuration management easier and will reduce operation and maintenance costs. in loading ALOMs on B-52s to a trailer that will be common to both the B-52, B-1, and B-2. The program incorporates two safety modifications.

Peacekeeper Modifications

(in Thousands of Dollars)

FY 1992

FY 1993 \$3,034

\$2,370

The FY 1992 and FY1993 programs provide funding for miscellaneous Class IV reliability and maintainability modifications

Other (Modifications Under \$2.0 Million)

(In Thousands of Dollars)

FY 1992

\$324

The FY 1992 and FY1993 programs provide \$.3 million each year for miscellaneous modifications on the AIM-7F SPARROW, to improve reliability, maintainability and correct material deficiencies

ACTIVITY: 4. Spares and Repair Parts

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\$ 98,218	104,279	66,620	174,426
FY 1993 Estimate	FY 1992 Estimate	FY 1991 Estimate	FY 1990 Actual
1993	1992	1991	990
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SECTION 1 - PURPOSE AND SOOPE

This activity provides for procurement of initial spares and repair parts for ballistic missiles, other missiles, and target drones. Included are related provisioning documentation and spares for missile modification programs, peculiar support equipment and training equipment.

SECTION 11 - JUSTIFICATION OF FUNDS REQUESTED

Initial spares requirements are validated in the weapon system provisioning process for a specified responsibility for replenishment spares from this central procurement account to the Air Force Stock Fund. support equipment), number of weapon systems in production, production leadtimes, and recurring flyaway The FY 1992/93 funds are required for spares for weapon systems in production. Initial spares funding Replenishment spares include components and repair parts required for the continued factors are applied in accordance with type of weapon system, category of support (e.g. air vehicle, requirements are determined by applying standard factors which are based on historical experience. support of missiles, drones and related support equipment maintained in the operational inventory. Beginning in FY 1991 the Air Force instituted a new concept of management which transfers funding Exempt from the Stock Fund are items that are managed by base level classifed systems. support period. costs.

SPARES AND REPAIR PARTS

	5	(In Thousands of Dollars)
	FY 1992	FY 1993
	104, 279	98,218
	FY 1992	FY 1993
INITIAL SPARES		
A	15,907	15,366
SPAM II	ı	1,229
AIM-120 Advanced Medium		
Range Air-to-Air Missile (AMRAAM)	13,987	2,977
AGM-88A High Speed		
Anti Radiation Missile (HARM)	3,435	6,270
Target Drones	503	5,380
HAVE NAP	2,610	1
AGM-130 powered GBU-15	1,681	1,390
Classified Programs	1	10, 279
Subtotal	38, 123	45,891

1993	6,216	3,671	9,887	55.778	10, 188	4,866	8,487	2,393	205	5,374	3,064	2,853	358	163	1,536	2,512	441	42,440	98,218
<u> 1992</u>	10,680	2.433	13,113	51,236	6,685	7.808	11,284	2,765	1,017	5,372	2,917	9,445	339	<u> </u>	606.1	2,926	817	53,043	104,279
MODIFICATION INITIAL SPARES	LGM-30 F/G MINUTEMAN 11/111		TOTAL INITIAL SPARES	REPLENISHMENT SPARES	AIM-7 Sparrow	AIM-120 AACAAN	AGM 65A Maverick	AGM-69A SRAM	AGM-86 ALOM	ACM-88A HARM	AQM	LGM-30 Minutemen	LGM-118A Peacekeeper	HAVE NAP	AGM-45 SHRIKE	Classified Programs	+ 1000	TOTAL BLOGET ACTIVITY 4:	SPARES AND REPAIR PARTS

ACTIVITY: 5. Other Support

(In Thousands of Dollars)

FY 1990 Actual 3,996,45	FY 1992 Estimate FY 1991 Estimate FY 1990 Actual	3,705,091 3,843,387 3,996,452
FY 1991 Estimate 3,843,36	92 Estimate	3,705,09

SECTION I - PURPOSE AND SOOPE

This activity provides for space programs and special programs. Space programs provide launch vehicles, satellites, peculiar ground support equipment, and miscellaneous launch support requirements other than those chargeable to the Operations and Maintenance appropriation. Special programs are of a sensitive nature and require special access.

SECTION 11 - JUSTIFICATION OF FLANS REQUESTED

\$2,545,641 thousand for special programs. The FY1993 request of \$4,256,538 thousand includes \$1,470,870 The FY 1992 request of \$3,705,091 thousand includes \$1,159,450 for operational space programs and for operational space programs and \$2,785,660 thousand for special programs.

Communications Security (CONSEC)

(in Thousands of Dollars)

FY 1992 FY 1993

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- 7,873 - 8,374

authentication encryption/decryption, authentication anti-jam, and weapon system security communication This program is an integral part of the national COMSEC program administered by the National Security FY 1992 and FY1993 funds provide for the procurement of peculiar anti-jam, data and command Funds requested in this line procure CONSEC products for use in operational space programs. This program provides communications security equipment for all critical spaceborne communications equipment for space and satellite programs.

Navstar Global Positioning System (GPS) (MMP)

(In Thousands of Dollars)

FY 1992

QTY AMOUNT QTY AMOUNT

4 216,086 6 261,703

The operational Navstar GPS system will consist of 21 satellites in six orbital planes and 3 on orbit (military aircraft, ships, ground vehicles, and ground personnel) will be able to precisely determine spare satellites, a ground control station and thousands of user equipment for all services. Users position (to 16 meters spherical probable error accuracy worldwide) and velocity (.1 meters

countermossures and rapid deployment for all services. The FY 1992/1993 funding continues the multiyear procurement of 20 Block IIR replenishment satellites. In addition, the FY 1993 request provides for an GPS's positional accuracy will significantly improve the effectiveness of reconnaissance, weapons delivery, mine per second), in three dimensions and unimpaired by weather anywhere in the world. iannual option for two additional replenishment satellites.

Space Shuttle Operations

(In Thousands of Dollars)

FY 1992

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- 61,523

2 130,325

operational space programs. The FY1992 request provides funds for Inertial Upper Stage (1US) technical support as well as advance procurement for two IUS vehicles. The FY1993 request procures two IUS The Space Shuttle Operations program provides funds to procure upper stages to support Air Force

Defense Meteorological Satellite Program (DNSP) (MYP)

 (In Thousands of Dollars)

 FY 1992
 FY 1993

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 QTY
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 2
 108,052
 7,302

infrared cloud imagery and other specialized meteorological, oceanographic and solar geophysical data to (Offutt AFB, Nebraska) and the Navy's Fleet Numerical Oceanography Center (Monterey, California). Local DNGP is an advanced weather satellite system that provides timely, worldwide, high quality visible and support DD strategic missions. Worldwide data are provided to the Air Force Global Weather Central area cloud imagery data are transmitted for immediate use directly from the satellites to fixed and

The FY 1992 request procures satellites S19-S20 as part of the five spacecraft mobile Air Force and Navy tactical receiving terminals at key worldwide operating locations and omboard multiyear initiated in FY 1989. The FY 1993 request provides for general engineering support. aircraft carriers at sea.

Defense Support Program (DSP) (MMP)

Satellite 23. The FY 1993 request provides full-funding for Satellite 23 as well as advance procurement DSP satellites contain sensors which provide near real-time data to the National Command Authority and other designated users. Funds FY 1992 provide for launch support as well as advance procurement for for Satellite 24.

Defense Satellite Communications System (DSCS) (MMP)

 (In Thousands of Dollars)

 FY 1992
 FY 1993

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 ANQANI

 55,724
 13,816

transmissions. It satisfies unique and vital national security communications requirements for worldwide operational and two on-orbit spare satellites positioned in geosynchronous orbits to provide global (less naval elements, and an operational control segment. The authorized DSCS space segment consists of five segment, which is an Air Force responsibility, a multi-user terminal segment for ground, airborne, and DSCS provides Super High Frequency (SHF) satellite communications for secure voice and high data rate military command and control, crises management and relay of intelligence, early warning data, treaty monitoring and surveillance information and diplomatic traffic. The DSCS program consists of a space

will include an Air Force Satellite Communications System single channel transponder for Emergency Action finances general engineering support, satellite storage, and modification to DSCS satellites to allow use provides increased capacity, flexibility, and counter-countermeasure capability. DSCS III satellites polar) coverage. Existing D&LS II satellites will be replenished with D&CS III satellites. D&CS III Message dissemination. Funding in FY 1992 procures two Integrated Apogee Boost Subsyst massemblies (IABS) to enable launch of two DSCS III satellites on the Atlas II launch vehicles. FY 1992 also of the Atlas II. FY 1993 funding finances satellite storage and general engineering support.

Space Boosters (MYP)

(In Thousands of Dollars)

FY 1992

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- 295,614 - 345,687

services. The FY 1993 request provides funds to continue procurement of ACE for CCAFS, propellants and The Space Boosters program provides access to space for critical DDD payloads. FY 1992 funds avionics ground equipment (ACE) at Cape Canaveral Air Force Station (CCAFS), propellants and launch support launch services as well as advance procurement for one TITAN IV launch vehicle in FY 1994.

Medium Launch Vehicle (MLV)

(In Thousands of Dollars)

 FY 1992
 FY 1993

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 QTY
 ANOLNT

 4
 222,026
 4
 239,595

This program provides for competitive procurement of medium launch vehicles (MLVs). The Delta II will be finances three Delta II launch vehicles to launch NAVSTAR GPS satellites and one Atlas II launch vehicles used to launch medium weight satellites, such as the NAVSTAR GPS into orbit. The FY 1992 request to launch DSCS satellites. Two Delta IIs and two Atlas IIs are procured in FY 1993.

Muclear Detonation Detection System (NDS)/(IONDS)

(In Thousands of Dollars)

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 52,640
 6
 51,83

NDS provides the capability to detect, locate, and report nuclear detonations on a global basis near

satellites. In addition, the FY 1993 funding request provides for an annual option for two sensor suites FY 1992/1993 funding continues the multiyear procurement of NDS sensor suites for the next twenty GPS real-time. NDS sensor packages are employed on NAVSTAR Global Positioning System (GPS) satellites. for two GPS satellites.

Forest Green

(In Thousands of Dollars)

OTY ANOMI OTY ANOMI

585

Information concerning this program is included in classified budget documentation material.

Special Programs

(In Thousands of Dollars)

FY 1992 FY 1993

QIY ANQINI QIY - 2,419,740 -

2,527,500 Information concerning this program is included in classified budget documentation material.

Special Update Programs

(In Thousands of Dollars)

1993	ANCLINI	206,065
<u> </u>	ΣŪ	ı
1992	ANCINT	72,679
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Information concerning this program is included in classified budget documentation material.

COMPARISON OF FY 1991 PROGRAM REQUIREMENTS AS REFLECTED IN FY 1991 AMENDED BLOGET WITH FY 1991 PROGRAM REQUIREMENTS AS

SHOWN IN FY 1992 BUDGET

SLAMMARY OF PROGRAM REQUIREMENTS

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	Program	Program	Increase (+)
	Requirements	Requirements	ō
	Per 1991 Amended Budget	Per 1992/93 Budget	Decrease (-)
BLOCET ACTIVITY		•	
1. Ballistic Missiles	\$1,885,007	\$ 546,863	\$ 1,338,144
2. Other Missiles	2, 125, 468	1,198,892 *	-926,576
3. Modification of In-Service Missiles	111,273	109,313	-1,960
4. Spares and Repair Parts	271,355	96,620	-204,735
5. Other Support	4,612,597	3,843,387	-769,210
6. Reimbursable Program	251,800	318,725	+66,925
Total Fiscal Year Program	\$9,257,500	\$6,083,800	\$-3,173,700
* Includes \$33.3M for Maverick			

EXPLANATION OF CHANCES BY BLOGET ACTIVITY

Additionally, PEACEKEEPER is reduced \$486 thousand pursuant to Section 8070 of the FY 1991 DCD Appropriation Act, \$800 Equipment-Ballistic (-\$10,600 thousand). Also reflects reduction of \$114,787 thousand for Congressional Inflation 1. Ballistic Missiles (-\$1,338,144). Congress made the following adjustments (totalling \$-1,216,619 thousand): PEACEKEEPER (-\$1,072,119 thousand), PEACEKEEPER Advanced Procurement (-\$133,900 thousand), Missile Replacement reduction, (PEACEKEEPER -\$113,762 thousand, Missile Replacement Equipment - Ballistic -\$1,025 thousand).

Personnel Reprogramming. Also reflects an increase of \$19,500 thousand for Treaty Compliance Reprogramming to the thousand pursuant to Section 8050 of the FY 1991 DCD Appropriation Act, and \$24,952 thousand for the Military PEACEKEEPER program.

- reduction (Replacement Equipment Other \$1,500 thousand, Classified Program \$15,100 thousand); and -\$19,703 thousand Cruise Missile (ADM) Advanced Procurement -\$19,100 thousand), Classified Program (-\$327,538 thousand), Tacit Rainbow (-\$227,441 thousand), SPAMII (-\$4,720 thousand), SPAM II Advanced Procurement (-\$6,390 thousand), Maverick (-\$53,000 2. Other Missiles (-\$926,576). Congress made the following adjustments (totalling -\$890,273 thousand): Advanced thousand), AMRAMM (-\$358,084 thousand). Also reflects reductions of \$16,600 thousand for Congressional inflation for Military Personnel Reprogramming (Maverick -\$19,703 thousand).
- 3. Modification of In-Service Missiles (-\$1,960). Reflects a reduction of \$2,100 thousand for Congressional Inflation reduction and an increase of \$140 thousand for Treaty Compliance Reprogramming.
- Spares and Repair Parts (-\$204,735). Congress reduced the FY 1991 Spares and Repair Parts by \$202,222 thousand. Also reflects a reduction of \$2,513 thousand for Congressional Inflation reduction.
- 5. Other Support (-\$769.210). Congress made the following adjustments (totalling -\$747,054 thousand): Space Shuttle Operations Advance Procurement (+\$8,000 thousand), Space Boosters (-\$1,600 thousand), Special Programs (-\$557,100 Congressional Inflation reduction (Special Update Program -\$1,078 thousand) and \$21,078 thousand for Military thousand), Special Update Programs (-\$196,354 thousand). Also reflects reductions of \$1,078 thousand for Personnel Reprogramming (NAVSTAR GPS -\$21,078 thousand).
- Reinfoursable Program. Increase is due to revised estimates of customer orders.

COMPARISON OF FY 1991 FINANCING AS REFLECTED IN FY 1991 AMENDED BLOGET WITH FY 1991 FINANCING AS

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SHOWN IN FY 1992 BLOGET

(In Thousands of Dollars)

	•		
	Financing Per	Financing Per	Increase (+)
	FY 1991 Budget	FY 1992/93 Budget	o
			Decrease (-)
Program Requirements	\$9,257,500	\$6,083,800	\$-3,173,700
Program Requirements (Service Account)	(9,005,700)	(5,765,075)	(-3,240,625)
Program Requirements (Reimbursable)	(251,800)	(318,725)	(+66,925)
Less:			
Anticipated Reimbursements	251,800	318,725	66,925
Transfer from other Accounts	ı	19,640	-19,640
Add:			
Reduction due to P.L. 101-511	ı	2,364	2,364
Transfer to Other Accounts	Congress of the congress of th	65.733	65.733
Appropriation	\$9,005,700	\$5,813,532	\$-3, 192, 168

EXPLANATION OF CHANGES IN FINANCING

The FY 1991 program has decreased \$3,173,700 thousand since submission of the FY 1991 Amended Budget. Adjustments by category of financing are explained below:

- 1. Anticipated Reimbursements. An increase of \$66,925 thousand is due to an increase in anticipated customer orders.
- Reduction due to Public Law 101-511. A decrease of \$2,364 thousand for contractor travel/contract assistance service.
- 3. Iransfer from Other Accounts. Reflects transfer for Treaty Verification.
- Iransfer to Other Accounts. Reflects transfer for Military Personnel reprogramming.

COMPARISON OF FY 1990 PROGRAM REQUIREMENTS AS REFLECTED IN FY 1991 AMENDED BLOCET WITH FY 1990 PROGRAM REQUIREMENTS AS SHOWN IN FY 1992 BLOCET

SUMMARY OF PROGRAM REQUIREMENTS

(In Thousands of Dollars)

	Program	Program	Increase (+)
	Requirements	Requirements	ō
	Per 1991 Amended Budget	Per 1992 Budget	Decrease (-)
BLOCET ACTIVITY			
1. Ballistic Missiles	\$ 886,359	\$ 668,076	\$-218,283
2. Other Missiles	1,353,217	1,366,876	+13,659
3. Modification of In-Service Missiles	750,77	86,428	+9,371
4. Spares and Repair Parts	183,796	174,426	-9,371
5. Other Support	4,089,185	3,996,452	-92,733
6. Reimbursable Program	251,722	225,781	-25.941
Total Fiscal Year Program	\$6,841,386	\$6,518,539	\$-322,847

EXPLANATION BY BLOGET ACTIVITY

reduced \$53,957 thousand for reprogrammings to Maverick (\$3,500 thousand), Industrial Preparedness (\$450 thousand) and of \$158,313 thousand persuant to Section 8102 of the FY991 DCD Appropriation Act. Peacekeeper Advance Procurement is 1. Ballistic Missiles (-\$218,283). The Peacekeeper program and Peacekeeper, Advance Procurement are reduced a total Environmental Restoration (\$32,000 thousand). Missile Replacement Equipment - Ballistic is reduced \$1,800 thousand for a reprogramming to Replacement Equipment - Other.

- (+*9,771 thousand), Industrial Preparedness (+*450 thousand), Missile Replacement Equipment (+1,800 thousand), and 2. Other Missiles (+\$13.659). The increase of \$13,659 thousand is a net result of reprogrammings for Maverick Target Drones (-\$600 thousand).
- 3. Modification of In-Service Missiles (+\$9.371). The increase of \$9,371 thousand is for a reprogramming to the AOM modification program.
- Spares and Repair Parts (\$-9.371). Reflects a \$9,371 thousand reduction for a reprogramming to the ACM Modification program.
- 5. Other Support (-\$92,733). Reflects reprogrammings to Classified Programs, Other Procurement (Special Programs -\$69,000), and AGM-130 (DSP -\$2,000, Shuttle Operations -\$1,700). Also reflects a reduction of 20,033 due to P.L.
- Reimbursable Program (-\$25,941). Decrease is due to revised estimates of customers orders.

COMPARISON OF FY 1990 FINANCING AS REFLECTED

IN FY 1991 AMENDED BLOCET WITH FY 1991 FINANCING AS

SHOWN IN FY 1992 BLOCET

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	Financing Per	Financing Per	Increase (+)
	FY 1991 Amended Budget	FY 1992 Budget	ь
			Decrease (-)
Program Requirements	\$6,841,386	\$6,518,539	\$-322,847
Program Requirements (Service Account)	(6,589,614)	(6, 292, 758)	(-296, 856)
Program Requirements (Reindursable)	(251,772)	(225, 781)	(-25,971)
Fess:			
Anticipated Reimbursements	251,772	225,781	-25,791
Transfers from Other Accounts	J	24,200	24,200
Add:			
Transfer to Other Accounts	174, 141	262,442	88,301
Reduction due to P.L. 101-165	153, 108	153, 108	l
Reduction due to P.L. 101-511	l	162,613	162,613
Reduction due to P.L. 101-302		70, 142	70, 142
Appropriation	\$6,916,863	\$6,916,863	1